

Title (en)

VAVLE FOR A FUEL SYSTEM FOR A COMBUSTION ENGINE AND METHOD FOR CONTROLLING A FUEL SYSTEM FOR A COMBUSTION ENGINE

Title (de)

VENTIL FÜR EIN KRAFTSTOFFSYSTEM EINES VERBRENNUNGSMOTORS UND VERFAHREN ZUR STEUERUNG EINES KRAFTSTOFFSYSTEMS EINES VERBRENNUNGSMOTORS

Title (fr)

SOUPAPE POUR SYSTÈME DE CARBURANT POUR MOTEUR À COMBUSTION ET PROCÉDÉ DE COMMANDE D'UN SYSTÈME DE CARBURANT POUR MOTEUR À COMBUSTION

Publication

EP 2850311 A4 20160113 (EN)

Application

EP 13791077 A 20130410

Priority

- SE 1250500 A 20120516
- SE 2013050384 W 20130410

Abstract (en)

[origin: WO2013172764A1] The invention relates to a valve (4, 4') for a fuel system for a combustion engine, comprising a ball retainer (26) provided with a cavity (28) to accommodate a ball (22), which ball (22) has a first seal surface (30) intended to cooperate with and abut sealingly against a seat (32). The ball retainer (26) has a secondary seal surface (34) intended to cooperate with and abut sealingly against the seat (32) when the ball (22) is not in the ball retainer (26). The invention relates also to a method for controlling a fuel system for a combustion engine.

IPC 8 full level

F02M 59/46 (2006.01); **F02M 61/04** (2006.01); **F02M 61/20** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP KR SE US)

F02D 41/221 (2013.01 - EP US); **F02M 21/0242** (2013.01 - US); **F02M 21/0293** (2013.01 - US); **F02M 37/0023** (2013.01 - US);
F02M 45/00 (2013.01 - KR); **F02M 47/027** (2013.01 - EP US); **F02M 59/46** (2013.01 - KR); **F02M 61/04** (2013.01 - KR);
F02M 61/166 (2013.01 - EP US); **F02M 61/188** (2013.01 - SE); **F02M 61/1886** (2013.01 - SE); **F02M 61/20** (2013.01 - KR);
F02M 63/00 (2013.01 - KR); **F02M 63/0005** (2013.01 - US); **F02M 63/0017** (2013.01 - EP US); **F02M 63/0022** (2013.01 - EP US);
F02M 63/0036 (2013.01 - EP KR SE US); **F02M 63/005** (2013.01 - EP US); **F02M 63/0077** (2013.01 - EP SE US);
F02M 63/0078 (2013.01 - EP SE US); **F02M 63/022** (2013.01 - EP US); **F02D 41/3836** (2013.01 - EP US); **F02D 2041/227** (2013.01 - EP US);
F02M 2200/185 (2013.01 - SE); **Y02T 10/30** (2013.01 - KR); **Y02T 10/40** (2013.01 - EP US); **Y10T 137/7841** (2015.04 - EP US)

Citation (search report)

- [XAYI] EP 0851115 A1 19980701 - ELASIS SISTEMA RICERCA FIAT [IT]
- [XAYI] EP 1319827 A2 20030618 - BOSCH GMBH ROBERT [DE]
- [X] DE 10058010 A1 20020529 - BOSCH GMBH ROBERT [DE]
- [Y] EP 2444652 A2 20120425 - KENDRION BINDER MAGNETE GMBH [DE]
- [A] JP 2010116791 A 20100527 - HONDA MOTOR CO LTD
- See references of WO 2013172764A1

Cited by

CN107420226A; CN107420207A; CN107143436A; CN107061055A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013172764 A1 20131121; BR 112014027557 A2 20170627; CN 104285057 A 20150114; CN 104285057 B 20170718;
EP 2850311 A1 20150325; EP 2850311 A4 20160113; IN 9272DEN2014 A 20150710; KR 101626535 B1 20160613;
KR 20150006885 A 20150119; RU 2014150873 A 20160710; SE 1250500 A1 20131117; SE 536494 C2 20131227;
US 2015136099 A1 20150521; US 9964089 B2 20180508

DOCDB simple family (application)

SE 2013050384 W 20130410; BR 112014027557 A 20130410; CN 201380025294 A 20130410; EP 13791077 A 20130410;
IN 9272DEN2014 A 20141105; KR 20147034341 A 20130410; RU 2014150873 A 20130410; SE 1250500 A 20120516;
US 201314399313 A 20130410